

Application No. 10/038,255

(Jebaraj)

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REMARKS GENERAL

This amendment of claims is submitted under Request for Continued Examination (RCE) under 37 CFR 1.114. In the claims of record including claims 24 through 46, applicant requests cancellation of claims 25 through 46 of record and substitution of new claims 47 to 64. Request no change to claim 24 of record.

Previous claims 25 through 46 of record were not lucid enough to elucidate the invention distinctly. This amendment restates the claims in a precise, cogent and sequential way for distinctively claiming the present invention. The amended claims do not enter any new material but only restates and rearranges the claims for better precision by logically structuring the claims. The prime changes of this amendment are:

- 1) reciting dependent claims (of independent claim 24) concisely through replacing claims 25 through 46, by claims 47 through 49 of this amendment,
- 2) introducing an independent claim 50 that recites the invention differently to emphasize the novelty of the invention, followed by a set of dependent claims 51 through 61, and
- 3) introducing a new method claim 62 and dependent claims 63 and 64, to continue the effort to claim the present invention distinctly.

The following specific remarks details each amended claim.

Claims 47

This claim depends on claim 24, and specifically recites the sidewalls of the enclosure, the spacer strips and the procedure of confining the space above a slab by inserting the sidewalls under the slab.

Claims 48

This claim depends also on claim 24 and in particular recites the fresh air chamber through which the air conditioner intakes fresh air.

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Claims 49

Claim 49 introduces the heat transfer duct that is located inside the fresh air chamber that enables thermal recovery from the air stream removed from the enclosure to the air-conditioner and finally exhausted. The thermal energy recovery is achieved by the heat transfer to 1) a stream of air in the fresh air chamber, and 2) to the condenser coil.

Claim 50

Claim 50 is the second independent claim that states the same invention in a different form to elucidate the novelty of the invention. In the Patent Application (No. 10/038,255) for this invention, the section 'BACKGROUND-DESCRIPTION OF PRIOR ART', discusses the novelty of the invention. The novelty discussed is to have an assembly including a collapsible enclosure and a connected air conditioner that supplies fresh conditioned air, whereby the climate of the enclosure interior is controlled. Claim 50 states the novelty of the invention in a much precise manner than Claim 24. Claim 50 is followed by dependent claims 51 through 61. Dependent claims 51 through 54 specifically claim the enclosure, and dependent claims 55 through 61 specifically claim the air conditioner.

Claim 51

This claim specifically recites the roof, the sidewalls of the enclosure, and the procedure of confining the space above a slab by inserting sidewalls under the slab.

Claim 52

This claim details the enclosure by reciting the support structure that supports the enclosure.

Claim 53

This claim further details the assembly of the sidewall means and points out the spacer strips, transparency of the plastic sheet and the insertion of the lower portion under the slab to thermally confine the enclosed space.

Claim 54

This claim details the enclosure by reciting the second opening incorporated in the sidewall for removing air from the enclosure to the air-conditioner.

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Claim 55

This is a dependent claim based on the independent claim 50. This claim recites the components in the air-conditioner means. The components included are the main housing, the air plenum, the fresh air chamber, the fan, the heat transfer means and the climate-controlling outlet, which is the supply air duct. Claims 56 through 60 depend on claim 55.

Claim 56

This claim adds additional components to the air-conditioner means including the air filter and the control panel.

Claim 57

This claim adds the exit air duct of the air-conditioner means that is connectable to the second opening of the enclosure. This duct conveys air from the enclosure to the air-conditioner, which is ultimately exhausted.

Claim 58

This claim adds the compressor chamber that houses the compressor and the second fan.

Claim 59

This claim points out the exhaust air duct that is conveys air stream from the second fan to the surrounding.

Claim 60

This claim points out the heat transfer duct located connected to the fresh air chamber that facilitates thermal energy recovery. Thermal energy is recovered from the air stream of the heat transfer duct to the air stream in the fresh air chamber and the compressor chamber.

Claim 61

This claim depends on the previous claim 60 and points out the air damper used to vary the amount of air conveyed from the fresh air plenum to the compressor chamber.

Claim 62

Claim 62 is the third independent claim, in which the method of the invention to provide climate comfort to an enclosed space is claimed. The unique method is to have an assembly of a temporary enclosure and an attached air-conditioner to target and confine the least minimum space around an occupied area, and controlling the climate of the confined space.

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Claim 63

This claim is dependent on the previous claim 62, and details the method by which the invention is operated energy efficiently. The energy efficient operation is achieved through thermal energy recovery. Thermal energy is transferred between the air stream from the enclosure that is ultimately exhausted and the fresh air chamber and the compressor chamber.

Claim 64

This claim particularly points out the thermal energy recovery to the condenser coil from the air exhausted from the enclosure; thereby increasing the operating efficiency of the air conditioner.

Conditional Request for Constructive Assistance

Applicant has amended the claims of this application so that they distinctively point out the invention. If, for any reason this application is not believed to be in full condition of allowance, applicant respectfully requests suggestions of the Examiner pursuant to M.P.E.P 2173.02 in order that the undersigned can place the application in allowable condition at the earliest without the need for further proceeding.

Very respectfully,


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